

Appl. No. 10/648,101
Amdt. Dated 10/29/2004
Response to Office communication dated 10/20/2004

Amendments to the Abstract:

Please replace the paragraph which begins with "There are described" and ends with "clean the surface" with the amended paragraph:

There are described disclosed apparatus and methods wherein ultraviolet light kills and/or degrades and vaporizes microorganisms and organic material which naturally form over time on a surface to thereby clean the surface of controlling the presence of surface and airborne microorganisms in an air handler. The method may comprise: energizing a germicidal lamp to emit distributed UVC radiation; positioning the germicidal lamp in proximity to the heat transfer coil, wherein the intensity of the UVC radiation striking a heat transfer coil of the air handler is to a degree independent of the distance of the germicidal lamp to the heat transfer coil; directing the UVC radiation across the coil face to the coil's tube and fins; reflecting and directing the ultraviolet by the coil's tube and the fins throughout the coil, thereby increasing the flux density of the ultraviolet radiation and the dosage of the radiation applied to airborne microorganisms and microorganisms carried on the surface; continuing to irradiate the surface with the UVC radiation from the germicidal lamp at least intermittently until the surface is organically clean.